

Cosmology with the Kilo Degree Survey

Sunday 11 September 2022 09:30 (30 minutes)

Probes of the large scale structures can give us insight into the nature of the dark Universe. In this talk I will show the latest results from the Kilo Degree Survey (KiDS) and its combination with spectroscopic galaxy surveys. KiDS is a purpose-built gravitational lensing survey with high quality images and a wide photometric coverage, resulting in very high-fidelity data. Combining weak lensing data with other probes of the large scale structures, such as galaxy clustering, enables us to break degeneracies in cosmological parameters and control the systematics in the data. Finally, I will discuss the prospects for the KiDS final data release.

Presenter: Dr ASGARI, Marika (Edinburgh U.)